

IN THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1 (Currently amended) A semiconductor display device comprising:

a source signal line drive circuit unit constituted by plural thin-film transistors;

a gate signal line drive circuit unit constituted by plural thin-film transistors; and

a pixel unit in which plural pixel thin-film transistors are arranged like a matrix; wherein,

the gate signal line drive circuit unit has at least one tristate buffer and one gate selection pulse change-over switch per a gate signal line;

the tristate buffer has:

A, a first circuit that includes a pair of n-channel thin-film transistor and p-channel thin-film transistor; and

a second circuit that includes a pair of n-channel thin-film transistor and p-channel thin-film transistor;

the source region of the n-channel thin-film transistor in the first circuit is electrically connected, at a first connection point, to the source region of the p-channel thin-film transistor of the second circuit;

a first power source is electrically connected to the source region of the p-channel thin-film transistor of the first circuit;

a second power source having a potential lower than that of the first power source is electrically connected to the first connection point;

a third power source having a potential lower than the second power source is electrically

connected to the source region of the n-channel thin-film transistor of the second circuit; and

an output signal line of the first circuit and an output signal line of the second circuit are both electrically connected to the gate signal line at a second connection point.

2-16. (Canceled)

17. (Currently amended) A semiconductor display device comprising:

a source signal line drive circuit unit and a gate signal line drive circuit unit formed over a substrate, said gate signal line drive circuit unit having at least one tristate buffer and one gate selection pulse change-over switch per a gate signal line;

said tristate buffer comprising:

at least a first circuit and a second circuit,

a first power source electrically connected to said first circuit;

a second power source having a potential lower than that of said first power source; and

and a third power source having a potential lower than that of said second power source and electrically connected to said second circuit.

18. (Original) A semiconductor display device according to claim 17, wherein said semiconductor display device is incorporated into an electronic device selected from the group consisting of a cellular phone, a video camera, a mobile computer, a head-mount display, a television, a portable book, a personal computer, a digital camera, and a DVD player.

19-20. (Canceled)

21. (New) A semiconductor display device comprising:
a source signal line drive circuit unit formed over a substrate; and
a gate signal line drive circuit unit formed over the substrate,
wherein the gate signal line drive circuit unit has tristate buffers and gate selection pulse change-over switches, and
wherein at least one of the tristate buffers is connected to a dummy gate signal line.

22. (New) A semiconductor display device according to claim 21, wherein the semiconductor display device is incorporated into an electronic device selected from the group consisting of a cellular phone, a video camera, a mobile computer, a head-mount display, a television, a portable book, a personal computer, a digital camera, and a DVD player.

23. (New) A semiconductor display device comprising:
a source signal line drive circuit unit formed over a substrate; and
a gate signal line drive circuit unit formed over the substrate,
wherein the gate signal line drive circuit unit has tristate buffers and gate selection pulse change-over switches,
wherein at least one of the tristate buffers is connected to a dummy gate signal line, and
wherein each of the tristate buffers comprises:
at least a first circuit and a second circuit,
a first power source electrically connected to the first circuit;
a second power source having a potential lower than that of the first power source; and

a third power source having a potential lower than that of the second power source and electrically connected to the second circuit.

24. (New) A semiconductor display device according to claim 23, wherein the semiconductor display device is incorporated into an electronic device selected from the group consisting of a cellular phone, a video camera, a mobile computer, a head-mount display, a television, a portable book, a personal computer, a digital camera, and a DVD player.

25. (New) A semiconductor display device comprising:

a source signal line drive circuit unit formed over a substrate;

a gate signal line drive circuit unit formed over the substrate;

a pixel unit formed over the substrate;

tristate buffers formed in the gate signal line drive circuit unit,

wherein at least one of the tristate buffers is connected to a dummy gate signal line,

wherein each of the tristate buffers comprises:

a first circuit that includes a pair of n-channel thin-film transistor and p-channel thin-film transistor; and

a second circuit that includes a pair of n-channel thin-film transistor and p-channel thin-film transistor;

the source region of the n-channel thin-film transistor in the first circuit is electrically connected, at a first connection point, to the source region of the p-channel thin-film transistor of the second circuit;

a first power source is electrically connected to the source region of the p-channel thin-film

transistor of the first circuit;

a second power source having a potential lower than that of the first power source is electrically connected to the first connection point;

a third power source having a potential lower than the second power source is electrically connected to the source region of the n-channel thin-film transistor of the second circuit; and

an output signal line of the first circuit and an output signal line of the second circuit are both electrically connected to the gate signal line at a second connection point.

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26. (New) A semiconductor display device according to claim 25, wherein the semiconductor display device is incorporated into an electronic device selected from the group consisting of a cellular phone, a video camera, a mobile computer, a head-mount display, a television, a portable book, a personal computer, a digital camera, and a DVD player.
